

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings of claims:

Listing of Claims:

1-16. (Cancelled)

17. (Currently Amended) An apparatus, comprising:

granting means for granting a transmission capacity subscriber station

specifically;

transmitting means for transmitting capacity grant messages to at least one

subscriber station;

monitoring means for monitoring capacity request messages received from the at

least one subscriber station, capacity grant messages sent by a base station and data

transmissions received from the at least one subscriber stations, wherein at least one of the

capacity request messages comprise information based on previous capacity requests of the at

least one subscriber station; and

avoiding means for avoiding mismatch between a granted capacity and data

received from a subscriber station using information based on the request messages, the capacity grant messages and the received transmissions.

18. (Previously Presented) The apparatus of claim 24, wherein the monitor is configured to monitor data based on messages and transmissions using a memory table.

19. (Cancelled)

20-23. (Cancelled)

24. (Currently Amended) An apparatus, comprising:

a receiver configured to receive capacity request messages from at least one subscriber station; and

a processor configured to,

grant a transmission capacity subscriber station-specifically,

transmit capacity grant messages to the at least one subscriber station, and

monitor request messages received from the at least one subscriber stations,

capacity grant messages sent by a base station and data transmissions received from the at

least one subscriber station, wherein at least one of the capacity request messages comprises

information based on previous capacity requests of the at least one subscriber station, and

wherein the processor is further configured to avoid a mismatch between a granted capacity and data received from a subscriber station using information based on request messages, capacity grant messages and received transmissions.

25. (Previously Presented) An apparatus, comprising:

a transmitter configured to transmit capacity request messages of at least one connection; and

a processor configured to,

allocate connection-specifically a capacity granted by a base station,

transmit messages wherein the messages comprise information on previous capacity requests, and

transmit data from a subscriber station according to a capacity allocation made by the subscriber station.

26-55. (Canceled)

56. (Previously Presented) A method, comprising:

transmitting capacity request messages of at least one connection; receiving capacity grant messages from a base station;

connection-specifically allocating a capacity granted by the base station;

transmitting messages, wherein the messages comprise information based on previous capacity requests of a subscriber station; and

transmitting data according to a capacity allocation made by the subscriber station.

57. (Cancelled)

58. (Previously Presented) The method of claim 56, wherein the transmitting comprises transmitting an update message that replaces at the base station a previous information connection-specifically.

59. (Previously Presented) The method of claim 56, wherein the transmitting comprises transmitting an update message that replaces information based on a need for bandwidth for a connection.

60. (Previously Presented) The method of claim 56, further comprising:
transmitting update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

61. (Currently Amended) A method, comprising:
granting a transmission capacity subscriber station-specifically;
transmitting capacity grant messages to at least one subscriber station; and
monitoring capacity request messages received from the at least one subscriber station, capacity grant messages sent by a base station and data transmissions received from the at least one subscriber stations, wherein at least one of the capacity request messages comprises information based on previous capacity requests of the at least one subscriber station, and
wherein the monitoring comprises using information based on the request messages, the capacity grant messages and the received transmissions for avoiding a mismatch between a granted capacity and data received from a subscriber station.

62. (Previously Presented) The method of claim 61, further comprising:
monitoring data based on messages and transmissions using a memory table.

63. (Cancelled)

64. (Previously Presented) A computer program embodied on a computer-readable medium, the computer program configured to control a processor to perform operations comprising:

transmitting capacity request messages of at least one connection;

receiving capacity grant messages from a base station;

connection-specifically allocating a capacity granted by the base station;

transmitting messages, wherein the messages comprise information based on previous capacity requests of a subscriber station; and

transmitting data according to a capacity allocation made by the subscriber station.

65. (Previously Presented) The computer program of claim 64, further comprising:

transmitting update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

66. (Currently Amended) A computer program embodied on a computer-readable medium, the computer program configured to control a processor to perform operations comprising:

transmitting capacity request messages of at least one connection;

granting a transmission capacity subscriber station-specifically;

transmitting capacity grant messages to at least one subscriber station; and
monitoring capacity request messages received from the at least one subscriber station,
capacity grant messages sent by a base station and data transmissions received from the at least
one subscriber stations, wherein at least one of the capacity request messages comprises
information based on previous capacity requests of the at least one subscriber station, and
wherein the monitoring comprises using information based on the request messages, the
capacity grant messages and the received transmissions for avoiding a mismatch between a
granted capacity and data received from a subscriber station.

67. (Previously Presented) The computer program of claim 66, further comprising:
receiving update messages comprising information based on previous capacity
requests, wherein the update messages replace previous information on a connection.

68. (Previously Presented) The apparatus of claim 17, wherein the monitoring means
monitors data based on messages and transmissions using a memory table.

69. (Cancelled)

70. (Currently Amended) The apparatus of claim [[20]] 17, further comprising:
fourth transmitting means for transmitting update messages comprising information
based on previous capacity requests, wherein the update messages replace at the base station
previous information on a connection.

71. (Currently Amended) The apparatus of claim ~~[[20]]~~ 17, further comprising:
means for transmitting update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

72. (Previously Presented) The apparatus of claim 24, the processor further configured to avoid a mismatch between a granted capacity and data received from a subscriber station using information based on request messages, capacity grant messages, and received transmissions.

73. (Previously Presented) The apparatus of claim 25, wherein the transmitter is further configured to transmit update messages comprising information based on previous capacity requests, wherein the update messages replace at the base station previous information on a connection.

74. (New) A method comprising:
receiving, at a base station, a first message, wherein the first message comprises a request to allocate a first amount of bandwidth for a communication connection;
allocating, at the base station, a second amount of bandwidth for the communication connection, wherein the second amount of bandwidth is less than or equal to the first amount of bandwidth for the communication connection;
sending, at the base station, a second message, wherein the second message comprises a grant for bandwidth and the second amount of bandwidth for the communication connection; and

receiving, at a base station, a third message, wherein the third message comprises a request to allocate a third amount of bandwidth for the communication connection, wherein the third amount of bandwidth replaces the second amount of bandwidth allocated at the base station.

75. (New) The method of claim 74 further comprising:

receiving, at the base station, a fourth message, wherein the fourth message comprises data for the communication connection.